

Date: Tue, 2 Mar 93 04:30:16 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #276  
To: Info-Hams

Info-Hams Digest                      Tue, 2 Mar 93                      Volume 93 : Issue 276

## Today's Topics:

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** New England Ham - Electronic Fleamarket Dates 1 March Update **
    Amplifier Tuning
    ARRL BULLETIN 18  ARLB018
    ARRL BULLETIN 22  ARLB022
    Cellular Safety
    Diddling ICOM 2SRA HT
    EAST COAST TV Channels
    How about a J-wire for HF?
    Please about Satelllites ?
    QSL HELP

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Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 2 Mar 1993 07:22:57 GMT  
From: w1gsl@athena.mit.edu  
Subject: \*\* New England Ham - Electronic Fleamarket Dates 1 March Update \*\*  
To: info-hams@ucsd.edu

New England Area Major Flea Market \*\*\* DATES \*\*\* 1993 P 1 of 2  
All events are Ham Radio/ Electronic related except ~~~~~

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*****
1993                                     Contact      Source
*****
7 March Northampton MA Mt Tom ARA @Smith VoTech $3@9A Jim K1MEA 413 527 3199 F
*****
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13 March Hudson NH IRS @Lions Hall Adm \$2 8:30A Sell 7A Wayne 603 895 9035

13 March Waterford CT RSoN @Muni Hall Auction 10A Bob KA1BB 203 739 8016 J+  
 14 March Bristol CT ICRC @Eastern HS 9-2 \$3/sell\$12 Chuck K1DFS 203 747 6377  
 20 March Westboro MA MMRA @HS \$2@10A sell @8AM Walter N1HBR 508 481 0994 F  
 21 March Yonkers NY WECAfest @Raceway 9-2 \$5 s@6A Sarah N2EYX 914 962 9666  
 27 March Portland ME @Westbrook JRHS \$4 8-1 -\$1sell Ron KA1FI 207 846 9090 +  
 27-28 March Waltham MA Photographica ~photo~ Jack 617 731 6603 F  
 27-28 March Baltimore MD Hamboree @Timonium 8A- \$5 Sell \$5/10+ 800 HAM FEST  
 28 March Braintree MA @ Viking Club 10:30-3 Dave 617 337 5301 +  
 28 March Framingham MA @ HS \$12@8 \$5@9 \$2@10 Barry WN1N 508 877 4947 F+  
 28 March Poughkeepsie NY Mt B ARC @Arl HS \$5@8 \$10@6 Ken KL7JCQ 914 485 9617 F+  
 3 April Upper Saddle River NJ CRRC 9-3 sell @8 Jack W2EHD 201 768 8360 D  
 4 April Southington CT SARA @HS \$20@6:3 \$10@8:3 \$3@9 N1GCV 203 621 6191 F  
 17 April Nashua NH NE Antique RC \$5@8 \$1@9 @ Res Ctr Church Ray 508 865 1290  
 18 April Cambridge MA FLEA at MIT Nick 617 253 3776 F  
 buy \$2@9A sellers \$10/sp@7A \$8in adv \$35 for season pass  
 3rd Sunday Each Month April thru October  
 18 April Webster MA ECARA @ Pt Breeze Rest \$3 tables \$10 Gary 203 974 2564 F+  
 18 April Agawam MA HCRA @ Southwick Rec Ctr \$3@9A Bob W1ZGP 203 653 0715 F  
 23,24,25 April Dayton OH adm \$11 sell \$30/50++ evenings 513 767 1107 F  
 2 May Yonkers NY @Lincoln HS Otto WB2SLQ 914 969 1053 A  
 7-8 May Rochester NH Hoss Traders @FG ex13 off rt 16 \$5 noon fri WA1IVB sase  
 15 May N Smithfield RI RIFMRS @VFW Main St 8A Rick K1KYI 401 725 7507  
 16 May Cambridge MA FLEA at MIT Nick 617 253 3776 F  
 16 May Pittsfield MA @Taconic HS Sell \$5@7 Buy \$2@8 Cliff W1SJV 413 743 3334  
 21-22-23 May Rochester NY ARRL-NY Conv @ Monroe FG Harold K2HC 800 724 8515 F

5 June S Burlington VT Mitch WB2JSJ 802 879 6589

6 June Newington CT @HS Flea Les KA1KRP 203 523 0453

12 June Bangor ME Pine St ARC @Hermon ES 146.34/94 8AM-\$2 Roger 207 848 3846

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LAST UPDATE 2-28-93 de W1GSL P 1 of 2

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1993 Contact Source

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20 June Cambridge MA FLEA at MIT Nick 617 253 3776 F  
3rd Sunday Each Month April thru October

17 July Nashua NH NE Antique RC \$5@8 \$1@9 @ Res Ctr Church Ray 508 865 1290

17 July Union ME @ Fairground \$3@7AM State Conv Skeet KA1LPW 207 622 2915

18 July Cambridge MA FLEA at MIT Nick 617 253 3776 F

24 July Manchester NH NHARA @HI 8A\$4 NE DC 300Ts (no TG) WB1HBB 603 432 6011 F+

8 Aug White Planes NY WECAfest Sarah N2EYX 914 962 9666 D

8 Aug Wellseley MA WARS+BARS @Babson College Barry WN1N 508 877 4947 T+

14 Aug St Albans ME @ Snow Mobile Club Hitch K1HHC 207 796 2282 +

15 Aug Cambridge MA FLEA at MIT Nick 617 253 3776 F

11 Sept Windsor ME @ Fairground \$3@7AM Skeet KA1LPW 207 622 2915 +

12 Sept Gaithersburg MD FAR @Mg Cty FG \$5@6A- \$7TG Nancy Drahim 703 691 0078 J

19 Sept Cambridge MA FLEA at MIT Nick 617 253 3776 F

19 Sept Sandy Hook CT Candlewood ARA Harold KB1US A

25 Sept Greenbush ME WCSN/BARC @WCSN xmtr Ed Cockburn 207 732 4366 +

26 Sept Framingham MA @ HS \$12@8 \$5@9 \$2@10 Barry WN1N 508 877 4947 F+

26 Sept Yonkers NY Metro 70 ARC Otto WB2SLQ 914 969 1053 A

15,16 Oct Rochester NH Hoss Traders @FG ex13 off rt 16 \$5 noon fri K1RQG

17 Oct Cambridge MA FLEA at MIT Nick 617 253 3776 F

13 Nov Plymouth MA Mayflower RC @Mem Hall 9-3 sell@8 Jim NM1F 508 747 2224 +

14 Nov Branford CT SCARA @intrm sch Brad WA1TAS 203 265 9983 T

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LAST UPDATE 2-28-93 de W1GSL P 2 of 2

Source F= Flyer J= John Roberts list A= ARRL list WR NV 73 CQ QST = Mags

T= tentative early info D= W1DL + = new info this month

This list has been compiled from many sources. While we believe the info to be accurate the author can not be responsible for changes or errors.

Check with the sponsoring organizations for more details.

This list will be posted monthly to Usenet if additions have been made.

Mailed copies are sent when additions are made.

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Additions/ Corrections via Internet w1gsl@athena.mit.edu

US Mail W1GSL POB 82 MIT Br Cambridge MA 02139

SASE for updated copy as issued.

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Date: Mon, 1 Mar 1993 23:03:27 GMT

From: usc!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpcss01!hpcuhe!

donh@network.UCSD.EDU

Subject: Amplifier Tuning

To: info-hams@ucsd.edu

What type of load are you using? A true 50 ohm dummy load is what you need for your tests!

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\* The opinions expressed are mine, and mine alone \*

\* \*

\* WB6LPJ - Cessna 172A N7770T - You can lead a horse to water, but a \*

\* pencil must be lead. \*

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Date: Tue, 02 Mar 93 04:28:50 GMT

From: usc!zaphod.mps.ohio-state.edu!mstar!n8emr!bulletin@network.UCSD.EDU

Subject: ARRL BULLETIN 18 ARLB018

To: info-hams@ucsd.edu

=====  
| Automatic relayed from packet radio via |

| N8EMR's Ham BBS, 614-895-2553 |

=====

ZCZC AG59  
QST DE W1AW  
ARRL BULLETIN 18 ARLB018  
FROM ARRL HEADQUARTERS  
NEWINGTON CT FEBRUARY 24, 1993  
TO ALL RADIO AMATEURS

SB QST ARL ARLB018  
ARLB018 CONTEST UPDATE

DATE/TIME CHANGE FOR 902, 1296 AND 2304 MHZ SPRING SPRINTS

ACTIVITY IN THE SPRING SPRINTS HAS BEEN SLUMPING OVER THE LAST FEW YEARS, ESPECIALLY ON THE MICROWAVE BANDS. IN THE HOPE OF BOOSTING ACTIVITY IN THE 902, 1296 AND 2304 MHZ SPRING SPRINTS, WE HAVE RESCHEDULED THE TIMES AND DATES. THE THREE SPRINTS ARE SCHEDULED TO RUN SIMULTANEOUSLY ON A SINGLE SATURDAY, MAY 1, 1993. YOU MAY WORK ANY FIVE CONSECUTIVE HOURS FROM 6 AM UNTIL 1 PM LOCAL TIME. THE INDIVIDUAL SPRINTS WILL REMAIN SEPARATE FOR SCORING, BUT WILL TAKE PLACE AT THE SAME TIME. THE OTHER SPRING SPRINTS ON 50, 144, 222 AND 432 MHZ WILL REMAIN ON THEIR RESPECTIVE ACTIVITY NIGHTS.

THIS CHANGE SHOULD GIVE MEMBERS THE OPPORTUNITY TO MAKE MORE CONTACTS DURING THE SPRINTS AND AT THE SAME TIME PROMOTE ACTIVITY. IT DOES NOT DISCRIMINATE AGAINST ENTRANTS WHO HAVE EQUIPMENT FOR ONLY ONE OF THE BANDS. THEY CAN STILL COMPETE ON AN EQUAL BASIS WITH THEIR PEERS. MEMBERS WHO WISH TO ENTER ALL THREE SPRINTS HAVE THE OPPORTUNITY TO PASS CONTACTS FROM ONE BAND TO ANOTHER. THREE SIMULTANEOUS SPRINTS, RATHER THAN ONE, SHOULD PROVE TO BE MORE OF AN INCENTIVE FOR PEOPLE TO GO MOUNTAINTOPPING OR TO RARE GRID SQUARES. WE WANT TO MAKE THE SPRINTS MORE FUN BY CREATING MORE ACTIVITY ON THE MICROWAVE BANDS DURING THE CONTEST.

NNNN

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Date: Tue, 02 Mar 93 02:46:41 GMT  
From: sdd.hp.com!zaphod.mps.ohio-state.edu!mstar!n8emr!bulletin@network.UCSD.EDU  
Subject: ARRL BULLETIN 22 ARLB022  
To: info-hams@ucsd.edu

=====

	Automatic relayed from packet radio via	
	N8EMR's Ham BBS, 614-895-2553	

=====

ZCZC AG63  
QST DE W1AW  
ARRL BULLETIN 22 ARLB022  
FROM ARRL HEADQUARTERS NEWINGTON CT  
MARCH 1, 1993  
RELAYED BY KB8NW/OBS & BARF-80 BBS  
TO ALL RADIO AMATEURS

SB QST ARL ARLB022  
ARLB022 FCC CALL SIGN UPDATE

FCC ISSUED CALL SIGN UPDATE

THE FOLLOWING IS A LIST OF THE FCC'S MOST RECENTLY ISSUED CALL SIGNS  
AS OF FEBRUARY 1.

DISTRICT	GROUP A EXTRA	GROUP B ADVANCED	GROUP C TECH/GEN	GROUP D NOVICE
0	AA0LH	KG0DI	N0VHH	KB0KYS
1	AA1FD	KD1MU	N10FW	KB1AQS
2	AA2MK	KF2MW	N2TPL	KB2PVW
3	AA3DE	KE3GQ	N3OCP	KB3AOG
4	AC4ZT	KQ4NA	++	KD4WLX
5	AB5KI	KJ5HW	++	KB5YJN
6	AB6QH	KN6GJ	++	KD6RVS
7	AA7TO	KI7JT	++	KB7SGY
8	AA8JU	KF8YV	N8WXO	KB8OQD
9	AA9FT	KF9NF	N9SDT	KB9IJP
HAWAII	++	AH6MH	WH6KL	WH6CQE
ALASKA	++	AL700	WL7IK	WL7CGP
PUERTO RICO	++	KP4UQ	++	WP4LTF

++ALL CALL SIGNS IN THIS GROUP HAVE BEEN ISSUED IN THIS AREA.  
NNNN

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Date: Tue, 2 Mar 1993 06:38:26 GMT  
From: sdd.hp.com!ncr-sd!ncrcae!ncrhub2!ncrgw2!psinnntp!iat.holonet.net!  
bwilkins@network.UCSD.EDU  
Subject: Cellular Safety  
To: info-hams@ucsd.edu

bly@btree.uucp (Roger Bly) writes:

:  
: If I hold the phone incorrectly with antenna touching or almost touching  
: the side of my head, I do notice RF heating on my scalp and sometimes

: headaches after extended use.  
:  
: Waitng for Qualcomm CDMA low-power spread-spectrum cellular, Then  
: this shouldn't be an issue.

Does your phone show the power levels as numbers? A 1 is 600 milliwatts a  
7 is 6 milliwatts. Most phones can go to 6 milliwatts as the lowest power.  
This only happens when you a near a cell site. CDMA will still require  
power to operate efficeintly.

I wonder about the hams on 2meters running the 6 watt portables next  
to their heads.. If it hurts...don't do it :>

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Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area  
bwilkins@holonet.net packet n6fri @ w6pw.#nocal.ca.usa.na

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Date: 2 Mar 1993 07:31:05 GMT  
From: munnari.oz.au!manuel.anu.edu.au!rsphy7.anu.edu.au!mbk113@network.UCSD.EDU  
Subject: Diddling ICOM 2SRA HT  
To: info-hams@ucsd.edu

One year ago I purchased my brand-new IC 2SRA handheld. One day after  
having monkeyed  
with the keypad for a long time, I got the 2 meter TX/RX rig accept my  
commands to scan up  
and down beyond the legal range. No, I didn't open it and play with  
diodes. Yes, I was completely  
sober. Problem is that I've not been able to repeat the trick any more.

Did anybody else succeed ?

73s, Marek vk1kam

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Date: Mon, 1 Mar 1993 22:35:23 GMT  
From: usc!elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!ncr-sd!  
ncrcae!ncrhub2!ncrgw2!psinntp!telesci!kindred@network.UCSD.EDU  
Subject: EAST COAST TV Channels  
To: info-hams@ucsd.edu

In New York City area: CH 2,4,5,7,9,11,13,21,25,31,41,47,53(lptv),68  
At least 47 and 68 are in Newark NJ.

NJ has: 23,50,52,58

23 is in (or near) Camden NJ, near Philly (Southern NJ). 52 is in (or near)

Trenton, 58 is in (or near) New Brunswick, both are in Central NJ. 50 is somewhere in Northern NJ.

Philly: 3,6,10,12,17  
Add 29 and 57.

lists probably left a few stations out.

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EMail: kindred@telesciences.com  
CI\$: 72456,3226 (72456.3226@compuserve.com)  
Phone: +1 609 866 1000 x222  
Snail: TeleSciences C O Systems, 351 New Albany Rd, Moorestown, NJ 08057-1177

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Date: Tue, 2 Mar 1993 04:18:59 GMT  
From: usc!cs.utexas.edu!convex!constellation!osuunx.ucc.okstate.edu!olesun!gcouger@network.UCSD.EDU  
Subject: How about a J-wire for HF?  
To: info-hams@ucsd.edu

In article <9303011310.A22824@sceng.ub.com> thorburn@sceng.UB.COM (Thorburn\_Gary) writes:

> There's been lots of talk about the sleeved dipole and  
> j-pole recently in this forum. I've often wished for an  
> end-fed or off-center fed HF wire antenna, but stayed away  
> from them because I hear that their poorly-balanced design  
> results in RF coming back down the coax.  
>  
> Maybe we could "test" this idea by diatribe here on the  
> forum before I actually build one: How about extending the  
> j-pole design to a wire antenna for HF (say, 30m)  
> constructed of a wire "pole", and some 450-ohm ladderline  
> for the "J". It would be fed at the appropriate point on  
> the ladder line by a balun, and coax to the rig.  
>  
> This would be an off-center fed "sloper" hoisted up into a  
> tree. Its advantage is that it's fed from the more  
> convenient lower end of the slope.  
>

An eaiser match that comes off the bottom end of the j pole is to use a single turn coil on the end of the coax and tightly bound to the two wires of the 1/4 wave matching transformer at the grounded end. I saw the idea in hints & kinks in QST. I don't know the formula but on two meters the loop is 6.75 inches when using twin lead. The complete diminsions are a piece of twin lead 53.5 inches shorted at one end, one of the wires cut 16 inches from the shorted end. One peice twinlead 6.75 inches long



shorted at one end and soldered to the 50 ohm coax at the other. This is D tightly taped to the shorted end of the long twinlead. These number may not be right on the money I took them off an antenna I use. The SWR is 1 to 1 to 1.2 and the 1 to 2 band width is from about 145 to 149 looks like I cut it a little short. I have not done any real testing but it works better than a duck or ground plain from inside the shack.

Also any references to an end fed Zepp applies to a j pole they are the same thing

Gordon  
AB5Dg

-----  
Date: 2 Mar 93 07:30:45 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Please about Satellites ?  
To: info-hams@ucsd.edu

Hello,

Can you tell me the frequencies of Amator Satellites (Up & Down link), and if you know too the commercial satellite as SPOT, LANDSAT, etc

I hear about the system EUTELTRACS for satellites mobile communications, any info ?

Thanks for all.

FC1JS0 @ stna7.stna.dgac.fr

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Date: 2 Mar 93 05:06:32 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: QSL HELP  
To: info-hams@ucsd.edu

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Date: Mon, 1 Mar 1993 15:19:14 GMT  
From: usc!howland.reston.ans.net!gatech!nanovx!km4ba!hpuerca.atl.hp.com!  
edh@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Feb24.124929.9856@edinboro.edu>, <C326LK.CG6@hpuerca.atl.hp.com>, <111533@netnews.upenn.edu>

Subject : Re: HELP! SATELLITE TV DESCRAMBLER

In <111533@netnews.upenn.edu> yee@mipg.upenn.edu (Conway Yee) writes:

>>Technological infrastructure is expensive. No body can afford to  
>>give it away. IMHO.

(tsk, tsk, Conway at least give me credit when you quote me :-)

And Hi BTW! De Ed-N5RCK)

>I agree but this raises an interesting question.

>Question: Was there an expense in setting up AM/FM/TV broadcast?

>Answer: Yes.

>Question: Why is AM/FM/TV broadcast free?

>Answer: the costs are covered by advertising.

>Question: Is there an expense in setting up cable/satellite broadcast?

>Answer: Yes.

>Question: Why isn't the cost of this infrastructure paid for by advertising?

>Answer: ?

In \_partial\_ answer let me extend your questions:

Question: Was there an expense in setting up CATV "broadcast"?

Answer: Yes.

Question: Why isn't CATV free? I.E. Why isn't the cost of this infrastructure paid for by advertising?

Answer: a) there are more overhead costs (pun intended).

b) there is more "service" content to be paid for

(movies with no interruptions, etc.)

c) there are more choices available

d) the service is (usually) more widespread (the cable channels, like the satellite transponders cover the entire U.S. (and other geographic areas).

The importance here is that advertisers on local broadcast media want pin-point market audiences-something cable can \_approximate\_, but satellite can only pretend to.

There are other pertinent points as well, but I'll let others . . .

Cheers & 73

Ed Humphries N5RCK Hewlett-Packard NARC Atlanta GA

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Date: 1 Mar 93 20:01:46 GMT  
From: opel!slc1!vk2bea!michael@uunet.uu.net  
To: info-hams@ucsd.edu

References <C350A8.5H1@zoo.toronto.edu>, <darknite.730869070@camelot>,  
<1mpuujINN8ub@access.digex.com>8  
Reply-To : michael@vk2bea.UUCP (Michael G. Katzmann)  
Subject : Re: Info needed on GPS

In article <1mpuujINN8ub@access.digex.com> bote@access.digex.com (John Boteler) writes:

>darknite@camelot.bradley.edu (John S. Novak III) writes:  
>>which blows your accuracy even more. We also have problems due  
>>to atmospheric interference (ionosphere and troposphere) and  
>>multipath.  
>  
>I am curious as to how large a degradation the atmospheric anomalies  
>cause on a satellite-to-water-vessel path.  
>  
>I assume that the constellation is sufficiently dense to  
>allow three or four satellites to lie on paths forming large  
>angles with respect to the atmospheric layers, so reflections  
>leading to multiple paths would seem to be negligible. Are problems  
>caused by propagation delays arising from the various atmospheric  
>densities? Something else?  
>  
>Also, I am curious as to the sources of multi-path interference  
>on a path from an orbiting satellite and an unobstructed  
>water vessel.  
>

The satellites transmit on more than one frequency (at least for the P code). The propagation effects are frequency dependent, so by solving an equation with time difference of the L1 and L2 signals, you can determine the correction. It is much less than the uncertainty for the C/A signal, so commercial receivers have less need of it.

The signal is spread-spectrum and is not as effected as a narrow band signal. The P-code signal is spread 10 times as much as the C/A code.

--  
Michael Katzmann > Broadcast Sports Technology Inc.  
~~~~~ < Crofton, Maryland. U.S.A  
Amateur Radio Stations: >

NV3Z / VK2BEA / G4NYV / AAR3VK < opel!vk2bea!michael@uunet.uu.net

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Date: (null)

From: (null)

Consider a subscription to the G0 list. It's definitely worth it.

73 Mike N6NMZ mikemr@microsoft.com

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End of Info-Hams Digest V93 #276

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